MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

AUGUST, 1938

J. A. BROWN, DIRECTOR

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AUGUST 1938

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.4	55.2	55.1	55.2	34.7	25.2	30.7	34.1	27.9	30.9
2	4.9	4.8	4.7	4.8	34.0	26.1	30.0	33.3	27.7	30.3
3	3.7	3.1	2.9	3.2	33.0	24.1	29.6	32.2	26.8	29.5
4	2.7	2.7	2.8	2.7	33.4	24.4	29.5	32.9	27.3	29.9
5	3.0	2.9	2.7	2.9	34.2	24.7	29.6	33.3	26.8	29.9
6	53.0	52.8	52.5	52.8	33.5	24.6	29.6	32.8	27.7	30.0
7	3.1	3.3	4.0	3.5	33.6	24.9	29.9	32.7	27.7	30.1
8	5.2	5.2	6.0	5.5	33.6	25 0	30.4	33.1	27.3	30.3
9	6.7	6.6	7.2	6.8	33.5	24.2	29.9	33.2	27.4	30.2
10	7.6	7.4	7.3	7.4	32.9	23.8	29.1	31.3	26.7	29.0
11	57.0	56.0	55.7	56.3	33.4	23.7	29.8	32.9	26.9	29.9
12	4.2	3.4	2.6	3.4	33.6	25.1	30.0	32.9	27.6	30.2
13	2.6	2.6	3.1	2.8	34.4	25.1	30.3	33.8	28.0	30.7
14	4.6	4.8	5.5	5.0	34.4	24.7	31.1	33.8	27.7	30.9
15	6.5	6.6	6.8	6.6	35.0	26.1	27.8	32.7	28.3	29.6
16	57.3	57.0	57.3	57.2	34.8	26.4	30.8	34.8	28.6	31.4
17	7.4	6.7	6.5	6.9	33.3	24.6	30.3	32.8	27.4	30.2
18	5.3	5.2	5.5	5.3	33.3	24.1	29.7	32.1	27.1	29.6
19	5.9	5.0	5.1	5.3	32.9	24.5	28.8	32.3	26.6	29.2
20	5.8	4.9	5.2	5.3	33.0	24.4	28.8	32.3	26.1	29.1
21	54.3	52.9	52.6	53.3	33.5	26.1	29.6	32.8	27.8	30.1
22	2.2	1.6	1.8	1.9	33.5	26.0	30.4	33.0	27.8	30.4
23	1.6	2.0	3.1	3.2	33.4	24.8	29.9	32.6	27.7	30.1
24	4.1	4.7	5.6	4.8	33.4	26.1	29.3	30.1	27.7	29.0
25	5.7	5.7	5.9	5.8	32.7	24.5	30.8	31.6	27.6	30.0
26	55.3	54.8	54.7	54.9	32.7	25.0	28.8	31.1	26.6	28.8
27	4.2	3.4	3.6	3.7	32.3	24.4	29.3	31.5	26.7	29.2
28	4.0	3.6	3.4	3.7	32.4	25.4	29.4	31.1	27.2	29.2
29	5.3	5.6	5.9	5.6	33.9	26.2	28.3	32.4	27.3	29.3
30	6.4	5.2	6.2	5.9	33.3	24.6	29.6	31.8	27.1	29.5
31	5.9	5.7	6.0	5.9	34.0	24.4	27.7	32.4	27.3	29.1
	754.87	754.56	754.75	754.76	33.54	24.94	29.64	32 60	27.37	29.86

Barometer, range for month 751.6 mm.—757.6 mm.
,, 62-yr. average for month 756.06 mm.
Thermometer, range for month 23.7° C.—35.0° C.
,, 62-yr. average for month 28.50° C.
Rain, total for month 0.0 mm.
,, , 62-yr. average for month 0.51 mm.
,, , total, from Sept. 1st 1194.77 mm.
,, 55-yr. average, Sept. 1st 903.6 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	22.6	17.2	23.5	20.7	69	44	85	66	12.6	55.0	
2	23.7	25.8	22.2	23.9	74	67	81	74	12.9	400.0	
3	22.2	22.2	20.9	21.8	71	63	80	71	12.5	350.0	
4	19.9	19.6	21.3	20.3	64	55	79	66	12.3	241.6	
5	21.1	20.3	21.7	21.2	68	54	84	70	12.3	150.0	
6	21.5	20.8	21.6	21.3	69	56	78	68	12.3	214.0	
7	20.8	20.9	21.6	21.1	65	56	78	66	12.3	250.0	
8	20.4	20.9	22.0	21.1	65	55	80	67	11.7	371.2	
9	20.8	20.7	21.2	20.9	66	55	78	66	12.0	185.6	
10	19.2	18.9	23.6	20.6	64	56	91	70	6.7	165.2	
11	17.9	18.5	19.3	18.6	58	49	73	60	10.5	400.0	
12	18.5	20.3	19.9	19.6	59	54	73	62	9.3	377.6	
13	21.1	19.3	21.0	20.5	65	49	74	63	9.9	171.4	
14	17.5	21.0	21.6	20.0	52	54	78	61	10.0	169.6	
15	22.2	23.0	24.1	23.1	80	62	85	76	10.3	65.6	
16	23.3	21.4	23.9	22.9	71	52	83	69	11.7	366.0	
17	19.1	22.9	24.7	22.2	59	62	92	71	11.8	339.0	
18	17.6	17.5	18.1	17.7	56	50	68	58	12.1	238.4	
19	18.1	18.7	19.3	18.7	60	52	74	62	11.8	192.0	
20	17.1	16.9	18.2	17.4	57	46	72	58	10.2	238.0	
21	19.7	20.3	20.9	20.3	63	55	76	65	11.6	471.0	
22	20.9	20.8	20.6	20.8	61	56	74	64	11.4	585.4	
23	18.2	19.4	20.8	19.3	58	53	76	62	11.3	364.5	
24	19.4	18.4	18.9	18.9	64	58	68	63	8.8	221.0	
25	19.1	20.2	20.1	19.8	57	58	73	64	8.2	237.6	
26	19.3	18.5	19.6	19.1	65	55	76	65	7.1	213.8	
27	14.5	23.1	19.6	19.1	48	68	75	64	10.8	274.4	
28	18.4	24.1	26.3	20.9	61	72	77	70	9.6	193.0	
29	21.5	19.5	20.5	20.5	75	54	77	69	6.8	184.0	
30	20.5	20.6	21.3	20.8	66	59	81	69	9.3	222.0	
31	18.2	20.7	21.3	20.1	66	57	79	67	11.4	219.0	
	19.82	20.42	21.12	20.43	63.7	56.0	78.0	66.0	10.69	262.04	

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu ci	0	0	1.0	1nw	1n	0	calm	
2	0	2ci	0	0.7	1w	3sw	1w	„	
3	2cu	2ci	0	1.3	4sw	3s	2sw	mod.	
4	0	8cu	2ci	3.3	3s	3w	1w	slight	
5	4cu	0	0	1.3	2s	2nw	0	„	
6	0	4cu	0	1.3	2sw	2w	1w	slight	
7	0	4cu	0	1.3	2sw	2sw	1w	„	
8	3cu	5cu	4cu	4.0	3sw	3w	3w	„	
9	7cuci	0	0	2.3	3s	2sw	1w	mod.	
10	5cuci	10cu	3ci	6.0	2sw	2sw	0	slight	
11	0	2cu	0	0.7	2sw	4sw	3w	calm	
12	2ci	4cu	0	2.0	4s	3w	2w	slight	
13	2cu	1cu	2cu	1.7	4sw	3w	1w	mod	
14	0	0	0	0.0	2s	3w	1w	slight	
15	0	0	0	0.0	2sw	2nw	0	calm	
16	0	0	0	0.0	1sw	3sw	2w	calm	
17	4cuci	4cu	4cu	4.0	4sw	3sw	3w	mod.	
18	3cu	4cu	3cu	3.3	4sw	3sw	1sw	„	
19	4cuci	3cu	2cu	3.0	2nw	2n	1nw	slight	
20	4cu	2cu	0	2.0	2sw	3w	1w	„	
21	2cu	5cuci	2ci	3.0	3s	4sw	3w	calm	
22	2cu	1ci	0	1.0	5sw	4sw	4sw	slight	
23	3cuci	3cu	3cu	3.0	4sw	4sw	2sw	mod.	
24	3cu	10cu	10cu	7.6	2sw	3w	1w	slight	
25	4cu	8cu	9cu	7.0	2nw	3nw	2w	„	
26	8cu	10cu	0	6.0	2w	2sw	4w	calm	
27	9cu	4cu	8cu	7.0	3w	3w	2w	slight	
28	0	4cu	5cu	3.0	3sw	3w	2w	mod.	
29	8cu	8cu	5cu ci	7.0	2w	3nw	1w	slight	
30	3cu	8cu	5cu ci	5.3	2nw	3n	2n	„	
31	0	3cu	0	1.0	2s	2nw	2n	„	
				2.89	2.6	2.8	1.6		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	0	0	0	7	16	4	4	0	31
14:30	3	0	0	0	1	12	10	5	0	31
20:30	2	0	0	0	0	4	20	1	4	31
Totals	5	0	0	0	8	32	34	10	4	93

Number of days with rain 0, fog 0, thunderstorms 0, gales 0.

62 yr. average number of days with rain during month 0.2